

ILLEGIB

**Next 1 Page(s) In Document Exempt**

COPY No. 8

11484

# PHOTOGRAPHIC INTELLIGENCE MEMORANDUM

NORTH KOREAN ELECTRIC POWER DAMAGE ASSESSMENT REPORT



Declassification review by NIMA/DOD

GP/I - 204

20 August 1956

CENTRAL INTELLIGENCE AGENCY

OFFICE OF RESEARCH AND REPORTS

5 SEP 1956  
c/ch/6

~~SECRET~~

**SECRET**

NORTH KOREAN ELECTRIC POWER DAMAGE ASSESSMENT REPORT

This study presents an estimate of bomb damage suffered by electric power facilities in North Korea based upon analyses of aerial photography. Important installations not covered in this report will be subject to supplementary reports that will be issued as additional photography becomes available.


25X1D

This report does not necessarily indicate the condition of the installation at the cessation of hostilities, as some of the photography was taken as early as [REDACTED] The dates of aerial coverage are presented with the damage estimate for each electric power installation.

**SECRET**

# SECRET

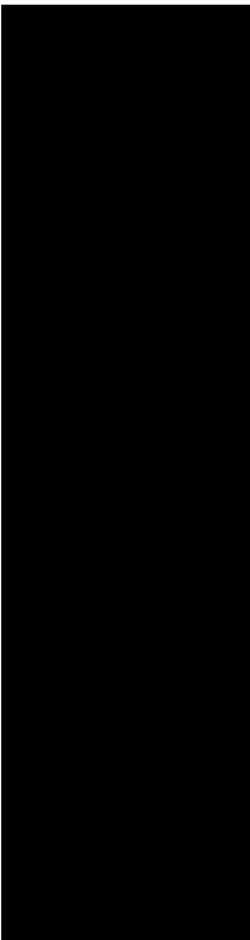
## HYDROELECTRIC POWER PLANTS

	<u>Date of Photography</u>	<u>UTM Coordinates</u>
CHOSIN #1 (H-1)*  (a) Four of 4 penstocks broken (b) Approximately one-third of generator house collapsed (c) Sub-station destroyed		CV551528
CHOSIN #2 (H-2)  (a) Roof off surge tanks; tank empty (b) Four of 4 penstocks broken (c) Generator hall pierced in several places (d) Sub-station destroyed (e) Auxiliary intake destroyed		CV573474
CHOSIN #3 (H-3)  (a) Roof off surge tank (b) Three of 3 penstocks broken (c) Generator hall pierced by bombs in several places (d) Sub-station destroyed (e) Auxiliary intake pierced by bombs in one place		CV584431
CHOSIN #4 (H-4)  (a) Roof off surge tank and tank empty (b) One of 3 penstocks broken (c) Overflow pipe broken (d) Sub-station destroyed		CV646334
FUNEI #1 (H-5)  No apparent damage (poor coverage)		EB510564
FUNEI #2 (H-6)  (a) Penstock intact (b) Generator house appears intact (c) Sub-station destroyed (d) Ten of 15 nearby buildings destroyed		EB558562




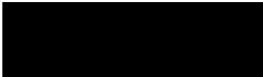
\*H-1, etc. indicates the location of installation on attached map

SECRET

**SECRET**

	<u>Date of Photography</u>	<u>UTM Coordinates</u>
FUSEN #1 (H-7) (a) Two of 4 penstocks broken (b) Roof off generator house (c) Sub-station destroyed		CV779671
FUSEN #2 (H-8) (a) Penstocks intact (b) Ends and roof off generator house (c) Sub-station damaged		CV805621
FUSEN #3 (H-9) (a) Penstocks probably broken (b) Three-quarters of generator house destroyed (c) Sub-station destroyed		CV802561
25X1D FUSEN #4 (H-10) (a) Roof off surge tank (b) Penstocks underground (c) Roof and one end off generator house due to one direct hit on end of building (d) Sub-station destroyed		CV766504
KONGSAN #3 (H-11) (a) Generator building partially gutted (b) Transformer yard destroyed (c) Penstock ruptured		DT015982
KONGSAN #4 (H-12) (a) Generator building completely gutted (b) Penstock ruptured (c) Half of surge tank roof missing (d) Transformer yard damaged		DU030010

**SECRET**

		Date of <u>Photography</u>	UTM <u>Coordinates</u>
25X1D	KYOSEN #1 (H-13)		DA534140
	(a) Six to 8 of 8 penstocks broken		
	(b) Generator house pierced in 3 places		
	(c) Sub-station east of generator house destroyed; sub-station on northwest corner of generator house partially destroyed in spite of heavy revetments. Four transformers appear intact		
	(d) Dam adjacent to generator hall intact		
	(e) Auxiliary intake broken in one place		
25X1D	KYOSEN #2 (H-14)		DA670028
	(a) Surge tank roof off		
	(b) Three of 4 penstocks severed		
	(c) Generator hall three-quarters demolished		
	(d) Transformer yard heavily damaged		
	KYOSEN #3 (H-15)		DV776953
25X1D	(a) Roof off surge tank and tank breached		
	(b) Water flowing freely from side of hill below surge tank due to ruptured underground pipe		
	(c) Afterbay covered by alluvial material which was deposited when surge tank was breached		
	(d) Three or 4 of 4 penstocks broken		
	(e) Overflow pipe broken		
	(f) Generator house roof half off; remainder of roof pierced in several places		
	(g) Sub-station destroyed		
	(h) Exhaust tunnel pierced in several places		
25X1D	KYOSEN #4 (H-16)		DV867826
	(a) Roof off surge tank		
	(b) Two or 3 of 4 penstocks broken		
	(c) Roof off most of generator house		
	(d) Generators probably covered with earth		
	(e) Sub-station destroyed		
	(f) Several transformers revetted near generator house		

**SECRET**

Date  
of  
Photography

UTM  
Coordinates

**SERYUCHON POWER PLANT AND DAM (H-17)**

CU378814

25X1D

- (a) Only the power plant was bombed
- (b) No apparent damage to generator house
- (c) Penstocks are underground


**SUIHO (H-18)**

XB664800

- (a) Generator hall has large hole in roof at south end, plus 3 smaller holes
- (b) Transformer yard nearly completely destroyed
- (c) Adjacent buildings destroyed
- (d) Adjacent hillside railroad line severed

**SECRET**

**THERMAL ELECTRIC POWER PLANTS**

	<u>Date of Photography</u>	<u>UTM Coordinates</u>
HOERYONG (T-1)*  (a) Generator and boiler house destroyed (b) Transformer yard intact		EB6298
KILCHU (T-2)  (a) Generator and boiler house roof destroyed, walls caved in, interior totally gutted (b) Transformer yard heavily damaged		EA2734
25X1D KYOMIPO (T-3)  (a) Generator and boiler house roof heavily damaged and pierced (b) Transformer yard heavily damaged		YC290910
SINUJU (T-4)  (a) Generator building gutted (b) Transformer station building gutted (c) Cooling ponds intact (d) Heat pipes to adjacent plant destroyed		XE1839

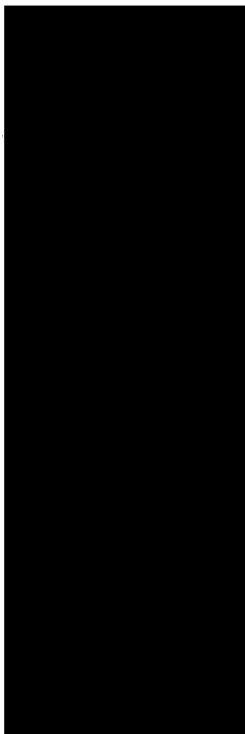
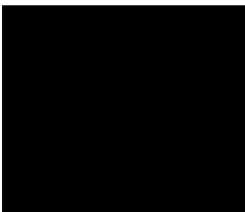
\*T-1, etc. indicates the location of installation on attached map

**SECRET**



**SECRET**

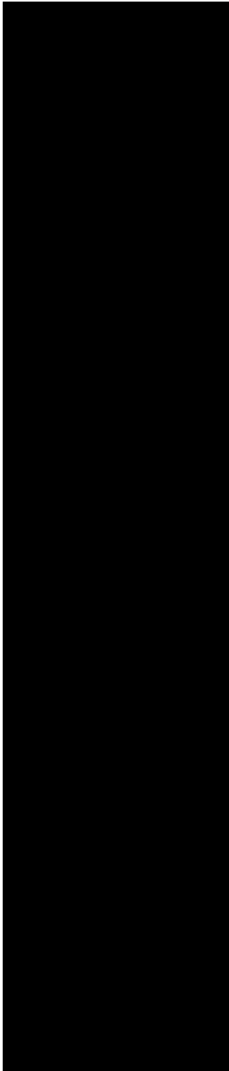
**SUB-STATIONS**

	<u>Date of Photography</u>	<u>UTM Coordinates</u>
CHANGHUNG-NI (S-1)*  Transformer yard destroyed; control house intact; 3 of 4 revetted transformers on hillside		DV656485
CHIDOK (S-2)  No damage		EA169073
CHONGJIN #1 (S-3)  Transformer yard and control house destroyed; 3 revetted transformers nearby		EB661280
CHONGJIN #2 (S-4) (IRON INDUSTRY SUB-STATION)  Transformer yard and control house damaged; 6 revetted transformers nearby		EB666252
CHONGJIN #3 (S-5)  Transformer yard damaged; control house intact; 3 transformers revetted nearby		EB658277
CHONGJIN #4 (S-6)  Transformer yard damaged; control house intact; station possibly still in operation		EB640248
CHUURONJANG (S-7)  No damage to station; 5 transformers revetted nearby		EB504036
HAGARU-RI (S-8)  Transformer yard damaged; control house intact; 3 or 4 transformers revetted on hillside		CV519715

\*S-1, etc. indicates the location of installation on attached map

**SECRET**

**SECRET**


	<u>Date of Photography</u>	<u>UTM Coordinates</u>
HAMHUNG #1 (S-9)  Transformer yard and control house destroyed; transformer and controls installed in cave and revetments		CV739196
HAMHUNG #2 (S-10)  Transformer yard and control house destroyed; 6 transformers in covered revetments along dike		CV761166
HONGWON (S-11)  Transformer yard and control house destroyed; transformer and control equipment in nearby revetments		DV101316
HUNGNAM #1 (S-12)  Transformer yard destroyed; control house damaged; several transformers revetted nearby; control house undergoing repairs		CV780115
HUNGNAM #2 (S-13)  Transformer yard and control house destroyed; new underground station under construction nearby		CV795111
HUNGNAM #3 (S-14)  Transformer yard and control house damaged		CV824105
HUNGNAM #4 (S-15)  Transformer yard and control house badly damaged and abandoned		CV832102
HUNGNAM #5 (S-16)  Transformer yard and control house badly damaged and abandoned		CV792082

25X1D

# SECRET

		<u>Date of Photography</u>	<u>UTM Coordinates</u>
25X1D	HUNGNAM #6 (S-17)	[REDACTED]	CV800080
	Transformer yard and control house destroyed		
25X1D	HUNGNAM #7 (S-18)	[REDACTED]	CV820112
	Transformer yard and control house located in caves opening on the bottom of a gravel pit; had not been bombed		
	HUNGNAM #8 (S-19)	[REDACTED]	CV798113
	Transformers and controls located in caves on hillside near HUNGNAM #2		
	KIGOK (S-20)	[REDACTED]	CV771339
	Transformer yard and control house damaged; equipment moved to 6 or more nearby revetments		
	NAJIN (S-21)	[REDACTED]	FB063772
	Station intact		
25X1D	OCHONJANG #1 (S-22)	[REDACTED]	DA846294
	Slight damage; equipment moved into 7 nearby revetments		
	OCHONJANG #2 (S-23) (MINE)	[REDACTED]	DA805289
	No damage		
	PYONGYANG (S-24)	[REDACTED]	YD3922
	Sub-station totally destroyed		
	SAGU (S-25)	[REDACTED]	BU779049
	Transformer yard abandoned; control house intact; 6 transformers revetted		

# SECRET

	<u>Date of Photography</u>	<u>UTM Coordinates</u>
TANCHON (S-26)  Transformer yard abandoned; 2 of 3 control buildings damaged; 5 trans- formers revetted and camouflaged; control equipment found in 3 buildings on hillside		DV896786
UMPO (S-27)  No damage; transformers and control equipment revetted		DV225334
WONSAN #1 (S-28)  Transformer yard and control yard destroyed; caves and several covered revetments probably house equipment		CV624345
WONSAN #2 (S-29)  Transformer yard and control house destroyed		CV689315
YANGJI-DONG (S-30)  Transformer yard and control house damaged		CV586400
YATAE-RI (S-31)  Transformer yard and control house damaged; 2 transformers and control equipment in 2 concrete revetments		CV585475

25X1D

**SECRET**



**SECRET**